

A NEW FORMOSAN ARGYRESTHIID (LEPIDOPTERA)

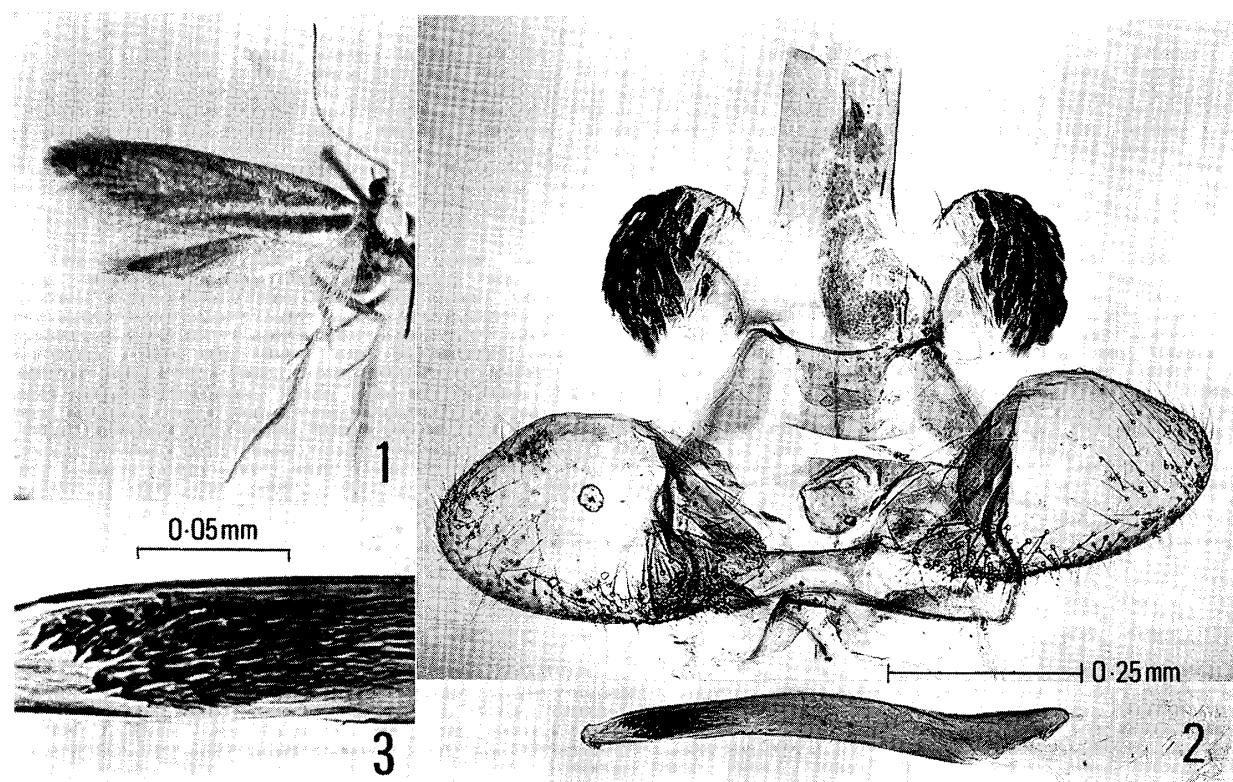
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Argyresthia ornatipennella n. sp. (Figs. 1—3)

♂. 13 mm. Head shining white, tinged with light yellow on face; orbit golden-yellow. Antenna light yellow-white, rather indistinctly ringed with light purplish-brown; scape white, with ochreous pecten. Palpus golden-yellow outside and deep yellow inside. Thorax shining white; tegula golden-yellow. Legs light yellow; fore tibia and tarsus purplish-fuscous on inner side; mid and hind tarsi tinged with pale brownish-grey. Abdomen light ochreous-yellow. Forewing with veins R_4 and R_5 separate; pale grey with purplish reflections, largely mixed with whitish scales and sparsely sprinkled with golden-yellow scales; costa broadly suffused with shining golden-yellow from $1/2$ to $4/5$; two broad, heavily suffused shining golden-yellow longitudinal streaks, viz., the upper above fold, running from base of costa to termen above tornus, and connected by a bar from $1/3$ of this streak with anterior extremity of the preceding costal suffusion, and the lower, which is broader than the upper streak, just beneath fold, from base of dorsum to inner margin at $2/3$ of wing-length; area between these two streaks shining white; dorsal area beneath the lower streak forming a narrow shining white streak; obscure shining golden-yellow veins on terminal area beyond end of cell; cilia shining golden-yellow, on termen, excluding apex, a little paler, and on dorsum yellow. Hindwing pale yellowish-grey in basal half, becoming gradually greyer apically; cilia light greyish-yellow, round apex rather deep greyish-yellow.

Male genitalia: as in fig. 2. Socius with 33 or 35 specialized scales; top with a single hair. Valva ovate, without a patch of stiff hairs in disc, and clothed with short hairs. Saccus small, rounded at anterior corner in lateral



Figs. 1—3. *Argyresthia ornatipennella* n. sp., holotype ♂: (1) head, thorax and left wings; (2) genitalia; (3) cornuti.

aspect. Aedeagus about 1.3 times the length of valva; cornuti composed of many microscopic spines, as shown in fig. 3. A Y-shaped sclerotized plate small, with rather slender prongs. Coremata long.

♀. Unknown.

Holotype ♂, Rushan-Unchen, Nantow, 3—6. IV. 1972 (M. Owada), in the collection of the Entomological Laboratory, University of Osaka Prefecture.

Distribution: Formosa.

Host-plant: Unknown.

Remarks: This new species is somewhat similar to *Argyresthia (Blastotere) nemorivaga* Moriuti, 1969, occurring in Japan, in the superficial appearance, but may be separated readily from the latter by the colour and markings and by the larger size. The genitalia of *ornatipennella* are distinctly different from those of *nemorivaga*.

The genus *Argyresthia* Hübner is divided into two subgenera, *Blastotere* Ratzeburg and *Argyresthia* Hübner, on the basis of the structure of the signum of the female genitalia. Unfortunately the female of *A. ornatipennella* is not available for the study and I cannot decide to place it in the one subgenus or the other.

In conclusion, I thank Mr. Mamoru Owada of our laboratory for supplying me with material.